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September 20, 2016

Sac & Fox Truck Stop

1346 US Hwy 75

Powhattan, KS 66527

To whom it may concern:

Containment Solutions arrived on site August 16, 2016 and inspected an 8' diameter 15,000 gallon single wall fiberglass tank installed at the above address. The tank was installed in 1998 and had some piping work done on it in 2005 per the contractor on site.

When the technicians entered the tank they immediately noticed that the side wall, closest to the other tank on site, was peeled back and backfill had flowed into the tank. The technicians also found stress cracks extending upward in the circumferential direction extending about 2 feet above the wall fracture. They then took vertical deflection readings and found that the tank was over deflected.

Fiberglass tanks rely on backfill for support and the backfill actually keeps the tank round. Our specifications require the back fill material to be Pea Gravel or Crushed Stone with no more than 5% passing a #8 sieve. Our investigation found a large area where sand was present around the tank. The contractor on site also advised that a void was found in the backfill during excavation. This sandy area was also on the side of the tank "caved in".

The over deflection indicates that the tank was not properly supported by the surrounding backfill. This means that the backfill did not meet our specifications, was not of the correct sieve, and/or was not placed all around and under the tank. As a result of the excessive deflection, the tank experienced severe stresses which resulted in the tank wall failure.

It is the opinion of Containment Solutions that this tank is not repairable and that the cause of failure is due to stress on the tank from improper or insufficient backfill surrounding the tank.

If you have further questions, please feel free to contact me at 800-822-1997 ext 2.

Sincerely,

Diane Reaves

Field Service Manager – West

s/o #83609